

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number
WO 2005/017093 A2

(51) International Patent Classification⁷:

C12N

(21) International Application Number:

PCT/CA2004/001510

(22) International Filing Date: 16 August 2004 (16.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/495,094

15 August 2003 (15.08.2003) US

(71) Applicant (for all designated States except US): **ID BIOMEDICAL CORPORATION** [CA/CA]; 1630 Waterfront Centre, 200 Burrard Street, Vancouver, British Columbia V6C 3L6 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RIOUX, Stéphane** [CA/CA]; 869, Avenue des Pinsons; Beauport, Quebec G1E 1J3 (CA). **MARTIN, Denis** [CA/CA]; 4728-G rue Gaboury, St-Augustin-de-Desmaures, Quebec G3A 1E9 (CA). **HAMEL, Josée** [CA/CA]; 2401 Mauritian, Sillery, Quebec G1T 1N6 (CA). **BRODEUR, Bernard, R.** [CA/CA]; 2401 Maritain, Sillery, Quebec G1T 1N6 (CA). **RHEAULT, Patrick** [CA/CA]; 44 rue Belair, St-Etienne-de-Lauzon, Quebec G6J 1P9 (CA). **DROUIN, Nathalie** [CA/CA]; 449 rue Principale, St-Etienne-de-Lauzon, Quebec G6J 1E8 (CA).

(74) Agents: **MORROW, Joy, D.** et al.; Smart & Biggar, P.O. Box 2999, Station D, 900-55 Metcalfe Street, Ottawa, Ontario K1P 5Y6 (CA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYPEPTIDES OF STREPTOCOCCUS PYOGENES

1 MSRIGNKVIT MPAGVELTNN NNVITVKGPK GELTREFNKN IEIKVEGTEI TVVRFNDSKE
61 MKTINGTTRA NLNNMVVGVS EGFKKDLEMK GVGYRAQLOG TKLVLSVGKS HQDEVEAPEG
121 ITFTVANPTS ISVEGINKEV VGQTAAYIRS LRSPEPYK GK GIRYVGEYVR LKEGKTGK
(SEQ ID NO: 2)

(57) Abstract: The present invention relates to polypeptides of S. pyogenes which may be useful to prevent, diagnose and/or treat S. pyogenes infections.

BEST AVAILABLE COPY

WO 2005/017093 A2